

Product datasheet for **RR210696**

Ficn (NM_199390) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ficn (NM_199390) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ficn
Synonyms:	Bhd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210696 representing NM_199390
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGCCATTGTGGCTCTCTGCCACTTCTGCGAGCTCCATGGCCCCGCAGCTTCTGACCGGAGG
 TTCTACACGCTCCCTGCCCCAGGGTGCCGGAAGTGGGGACAGTCTGGCCAGGTTGAGCAGGCTGAGGA
 AGAAGAGGGCGGCATCCAGATGAGCAGCCGAGTCCGTGCCACAGCCAGCCGAGGGCGCCAGCACTGAC
 TCCAGCAGCCCGGGCCCAAGAAGTCAGACATGTGCGAGGGCTGCCGCTCGCTTGTAGGGCACCACG
 GTTATATCAGTCATGATAAGGAGACCTCTAAGTACGTCAGCCACCAGCACCCCAACCACCCACAGCT
 CTTCAGCATTGTCGCCAGGCCTGTGTCCGAGCCTGAGCTGTGAGGTGTGCCCTGGTGTGAGGCCCC
 ATCTTCTTTGGTGTGAGCAACATGGCTTTGTGTTGAGCCACACCTTCTCATCAAAGACAGCCTGGCCA
 GAGGCTTCCAGCGCTGGTACAGCATCATGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
 CTTCTGTGGCAAGATCCGCGGGATCATCAGCGAGCTCCAGGGCAAGGCCCTCAAGGTGTTTGGGCA
 GAACAGTTTGGATGTCCACAGCGTGCCAGAGGATGAACACTGCCTTACACCCTTCTGCACCAGAGGA
 ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGTGACAACTTGTGGGCTGTCTGCATACTTC
 CTTTGCCTGGCTCCTGAAGGCATGTGGTAGCCGCTGACAGAAAAGCTCTTAGAGGGTGCTCCCACAGAG
 GACACCCTGGTCCAGATGGAGAAGCTTGTCTGACTTAGAGGAAGAATCAGAAAAGTTGGGATAATTCAGAGG
 CTGAAGAGGAGGAGAAAGCCCTGCTACGGCAGAGGGTGTGAAGGGCGAGAGCTGGCCAGTTGCCAAC
 AGAATCATCCTTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCAAAGCTTTCTGTCTTCAAGTCCCTTCGA
 CACATGAGACAGGCTTTGGGAGCCCCATCTTCCGAATGTTGCCCTGGCATGTCCATCATGGTAAATCAGG
 TGATCTGGAAGCAGAGATGTGAACCTGTCCATTCCGCATTTGAAGTCCCTCGGACCATGCTGCCTGT
 AGGCTGTGTGCGAATCATCCCTTACAGCAGCCAGTATGAGGAGGCTATCGCTGCAACTTCTAGGGCTC
 AGCCCTCCGGTGCCTATCCCTGCTCATGTCTGGCCTCTGAGTTCGTAGTTGCTGAGGAGTACACACAG
 CCACTCGCTCAAACCCGACCCGGCTGGATGTGAGGACGACCAGTCCCTCAGCAAGTATGAGTTTGTGGT
 GACCAGCGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCACCATCCTGAATAAAATGGAGGAGCTCTG
 ACCAACCCAGAACCTGTCTGTGGATGTGGTGGACCAGTGCCTCGTCTGTCTCAAGGAGGAGTGGATGAACA
 AAGTGAAGTCTGTTCAAATTCACCAAGGTGGACAGCCGCCCAAGGAGGACACCCAGAAGCTCCTGAG
 CGTCTCGGCGCATCAGAGGAGGACAACGTTAAGCTACTGAAGTCTGGATGACGGGCTGAGCAAAACC
 TACAAGTCACACCTCATGTCCACAGTCCGAAGCCGACAGCCGACAGTACGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210696 representing NM_199390
 Red=Cloning site Green=Tags(s)

MNAIVALCHFCELHGPRTLFCTEVLHAPLPQAGSGDSPGQVEQAEIEEGGIQMSSRVRAHSPAEGASTD
 SSSPGPKKSDMCEGCRSLAVGHPGYISHDKETSIIKYVSHQHHPNHPQLFSIVRQACVRSLSCEVCPGREGP
 IFFGDEQHGFFVSHSTFFIKDSLARGFQRWYSIIAIMMDRIYLINSWPFLLGKIRGIISELQKALKVFEA
 EQFGCPQRAQRMNTAFTPFLHQRNGNAARSLTSLTSDNLAACLHTSFALLKACGSRLTEKLLLEGAPTE
 DTLVQMEKLDLEEESESWDNSEAEIEEKAPATAEGAEGRELASCPTSSFLSACGSWQPPKLSVFKSLR
 HMRQVLGAPFRMLAWHVLGNQVIWKS RDVNLVHSAFEVLRMTLPVGCVRIPYSSQYEEAYRCNFLGL
 SPPVPIPAHVLASEFVVVVEVHTATRSNPHPAGCEDDQSLSKYEFVVTSGSPVAADRVGPTILNKMEAAL
 TNQNLSDVVDQCLVCLKEEWMNKVKLKFVKVDSRPKEDTQKLLSVLGASEEDNVKLLKFWMGTGLSKT
 YKSHLMSTVRSPTAAESRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

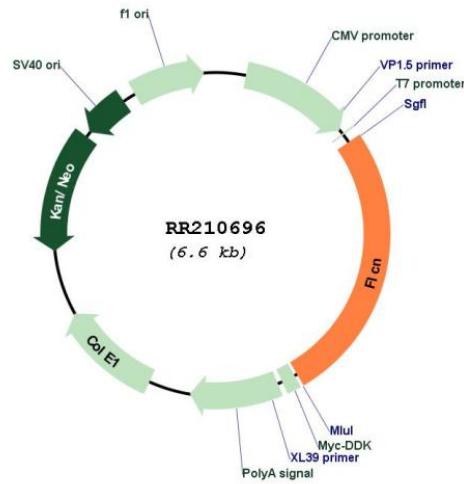
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_199390
 ORF Size: 1737 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_199390.2 , NP_955422.1
RefSeq Size:	2987 bp
RefSeq ORF:	1740 bp
Locus ID:	303185
UniProt ID:	Q76JQ2
Cytogenetics:	10q22
MW:	64.1 kDa
Gene Summary:	a possible tumor suppressor gene associated with hereditary renal carcinoma [RGD, Feb 2006]